

**I CLAIM:**

1. An air compressor comprising:

a base including an opening formed therein and defined by a peripheral flange,

5 a bearing engaged in said opening of said base and retained in said peripheral flange of said base,

an eccentric member including a shaft extended therefrom, and rotatably engaged through said bearing and rotatably secured to said base with said bearing, said eccentric member including a pin  
10 extended therefrom and eccentric relative to said shaft,

a cylinder including a piston rod rotatably coupling to said pin of said eccentric member,

a gear attached to said eccentric member, said gear and said eccentric member being rotated in concert with each other and being  
15 rotatable relative to said base about said shaft of said eccentric member, and

a motor secured to said base and including a pinion provided thereon and engaged with said gear to rotate said gear and said eccentric member relative to said base, and to move said piston rod  
20 relative to said cylinder in a reciprocating action.

2. The air compressor as claimed in claim 1, wherein said gear includes a chamber formed therein and defined by a peripheral casing, to receive said eccentric member in said peripheral casing of said gear.

25 3. The air compressor as claimed in claim 2, wherein said gear includes at least one bar extended from said gear to define said peripheral casing of said gear.